ABSTRACT

The invention concerns a method for selecting tumours expressing HLA-G, sensitive to an anticancer treatment, which inhibits or prevents the HLA-G activity of said tumours and the uses thereof. Said method enable to establish either the HLA-G, transcription profile of a solid tumour or the HLA-G expression profile of a solid tumour. The method for establishing the HLA-G transcription profile consists in: (i) drawing a tumoral sample; (ii) extracting the mRNA; (iii) reverse transcription (RT) of said RNA: (iv) successive or simultaneous amplification of the cDNA's obtained in (iii) in the presence of primers specific to each HLA-G isoform and analysing the resulting amplification products, by electrophoresis and/or specific hybridisation and(v) establishing said sample HLA-G transcription profile. The method for establishing the HLA-G expression profile consists in: (i) drawing a tumoral sample; (ii) optionally marking said sample cells; (iii) carrying out a lysis of the cells; (iv) contacting said cells which have been subjected to lysis with different antibodies directed against the class I HLA-G antigens, to form, optionally HLA-G isform/antibodies complexes; and (v) establishing said sample HLA-G expression profile by detecting the complexes formed in step (iv).